

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	amino adj ketone adj reductase	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:16
L2	5	aminoketone adj asymmetric adj reductase	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:17
L3	9	aminoketone and aminoalcohol and rhodococcus	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:18
L4	3	aminoketone and aminoalcohol and rhodococcus and plasmid	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:19
L5	1	l4 and replication	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:19
L6	541	rhodococcus adj erythropolis	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:26
L7	147	l6 and reductase	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:26
L8	121	l6 and reductase and plasmid	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:26
L9	3	l6 and reductase and plasmid and aminoketone	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:27
L10	1	l3 and (iam1400 or iam1503 or jc2893 or jcm2894)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:31
L11	4	l6 and (yamamura or fujimoto)".in"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/02/12 12:33

FILE 'HOME' ENTERED AT 12:35:43 ON 12 FEB 2008

=> file .mymstn

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=> s rhodococcus and plasmid and aminoketone and reductase

L1 1 RHODOCOCCLUS AND PLASMID AND AMINOKETONE AND REDUCTASE

=> s rhodococcus and plasmid

L2 1815 RHODOCOCCLUS AND PLASMID

=> s l2 and reductase

L3 93 L2 AND REDUCTASE

=> s l3 and aminoketone

L4 1 L3 AND AMINOKETONE

=> d ibib abs l4 1

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:409675 CAPLUS

DOCUMENT NUMBER: 142:458106

TITLE: Construction of shuttle vector derived from Rhodococcus for expression of aminoketone asym. reductase to produce optically active aminoalc.

INVENTOR(S): Yamamura, Eitora; Fujimoto, Noboru

PATENT ASSIGNEE(S): Daiichi Fine Chemical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 71 pp.

CODEN: PIXXD2

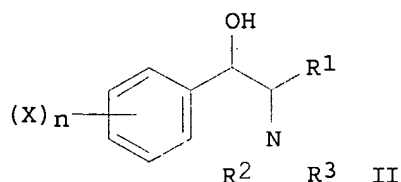
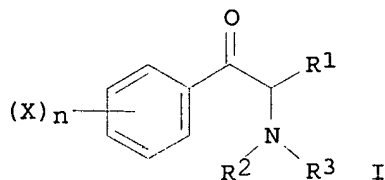
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042739	A1	20050512	WO 2004-JP16104	20041029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1688491	A1	20060809	EP 2004-793212	20041029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1875102	A	20061206	CN 2004-80032427	20041029
SG 128683	A1	20070130	SG 2006-9065	20041029
SG 128684	A1	20070130	SG 2006-9067	20041029
IN 2006CN01343	A	20070223	IN 2006-CN1343	20060419
US 2007031948	A1	20070208	US 2006-577296	20060428
PRIORITY APPLN. INFO.:			JP 2003-373476	A 20031031
			WO 2004-JP16104	W 20041029
OTHER SOURCE(S):		MARPAT 142:458106		
GI				



AB This invention provides a process of construction of shuttle vector containing DNA replicase region derived from plasmid of Rhodococcus . The vector was used for expressing aminoketone asym. reductase for production of optically active aminoalc. The enzyme catalyzed the formation of  $\alpha$ -aminoketone (II, X = halogen, alkyl, hydroxyl, nitro and sulfonyl; n = 0-3, R1 low grade alkyl, R2, R3 = hydrogen, low grade alkyl group) from (I, X = halogen, alkyl, hydroxyl, nitro and sulfonyl; n = 0-3, R1 low grade alkyl, R2, R3 = hydrogen, low grade alkyl group). The enzyme also catalyzed the formation of optically active aminoalc. (III, ACH(R8)N(R9)R10, A = (IV, R4COMe, R4 = hydrogen, alkyl, hydrocarbon ring, hetero ring); (V, R5OC(R6)(R7)Me, R5, R6, R7 = hydrogen, alkyl, hetero ring); R8 = hydrogen, carboxyl, alkyl, hydrocarbon ring, hetero ring; R9 = hydrogen, alkyl, alkyloxycarbonyl, acyl, hetero ring; R10 = hydrogen, alkyl group).

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT